CERTIFICATION

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref.) 40 CFR 144.32)

NAME AND OFFICIAL TITLE (Please type or print) Deal SIGNATURE

GLENN M. FEDDERSON Form

Vice President

V1 4 84

EPA Form 7520-14 (3-84)

EPU 8-D

- A. Area of Review
 Fixed Radius of ½ mile Field Plat attached.
 No wells within the area of review
- E. Name and Depth of USDWs (Class II)

Depth Name 100[±] Tertiary

Local Name Unknown

G. Geological Data

ZONE	NAME	DESCRIPTION	DEPTH	THICKNESS	FRAC PRESSURE
Upper Confining	Bear Paw	Gray Shale	250'-	500 '±	Unknown
Injection	Judith River	V. Lt. Gray, fine to medium grained, Calcareous, glauconitic sandstone	750 1±	200'±	l psi/foot
Lower Confining	Clagget & Eagle Shale	Gray Shale	950'±	11504	Unknown

H. Operating Data

(1) Average Injection Volume - 7100 Bbls/Day
Maximum Injection Volume - 8400 Bbls/Day

202 Bbls/Hour/Pump

(2) Average Injection Pressure - 650 psi Maximum Injection Pressure - 700 psi

(3) Annulus Fluid - Corrosion Inhibited Fluid

(5) Source of Injection Fluid - Mississippian Formation Fluid Produced from the East Poplar Field. (See Attached Analysis

(6) SWD Station No. 4 operates with 2 pumps. One pump operates approximately 24 hrs/Day and the other pump operates approximately 10 hrs/Day.

M. Schematic Attached

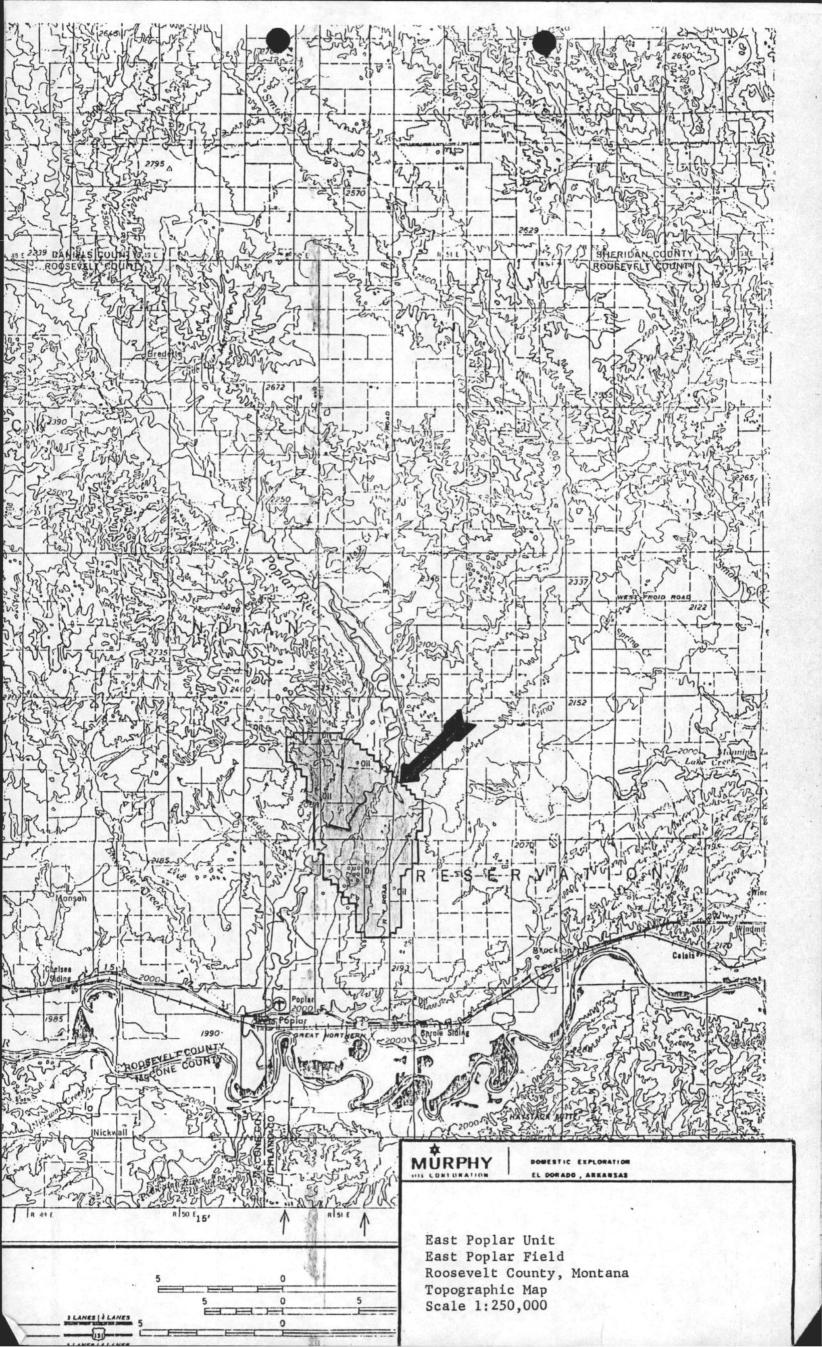
Q. Plugging and Abandonment Plan See Attached Financial Statement 202(24)=4848 202(10)=2020 6968 DBIS/DAY 2020

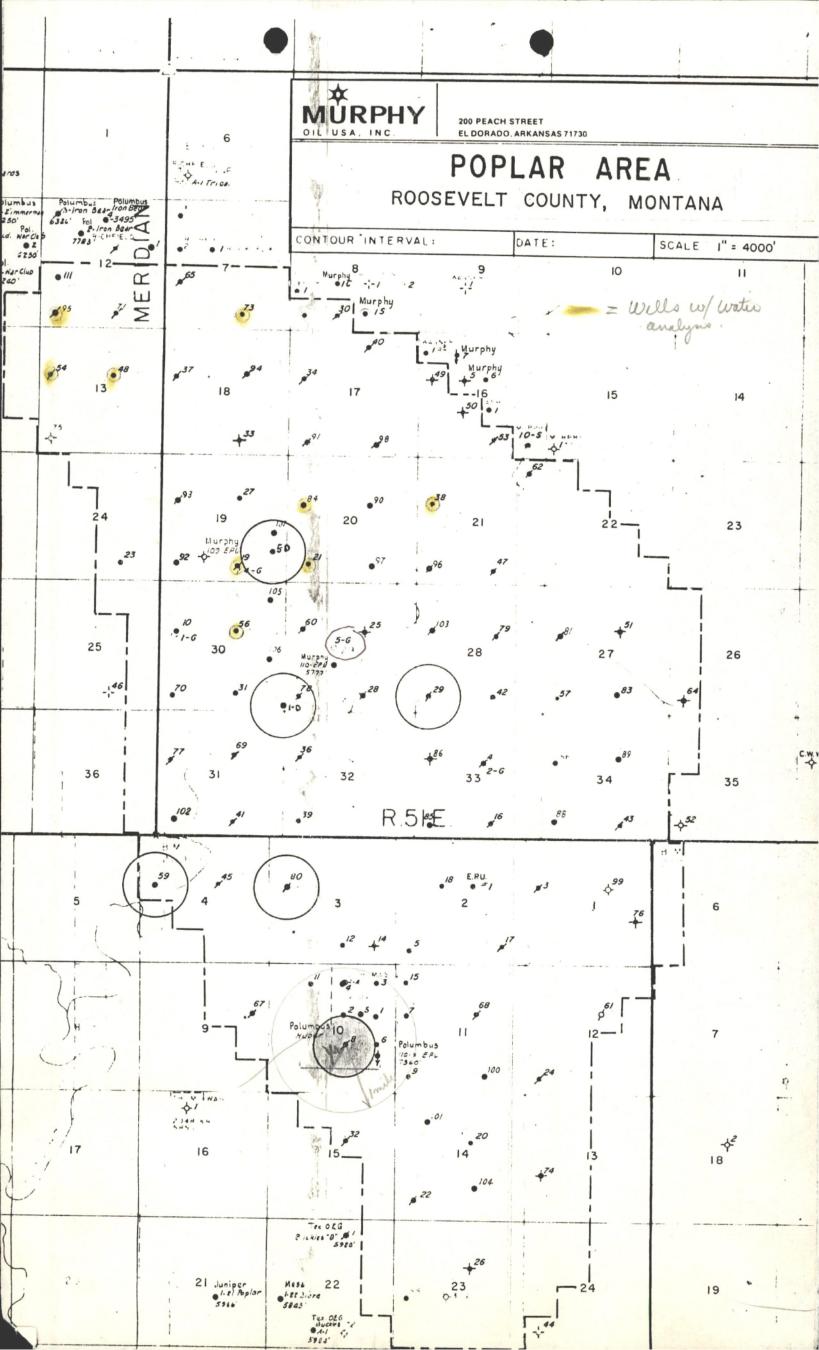
U. Description of Business - EPU Well No. 8-D is used to dispose of part of the produced salt water from the East Poplar Unit wells. The salt water is separated from the produced fluid and comes to the disposal facility at SWD Station No. 1 through closed flowlines. The salt water is held in the salt water storage tanks until the salt water disposal pumps are engaged through automatic level switches. The salt water disposal pumps dispose of the salt water into the tubing of the wellbore and then into the formation.

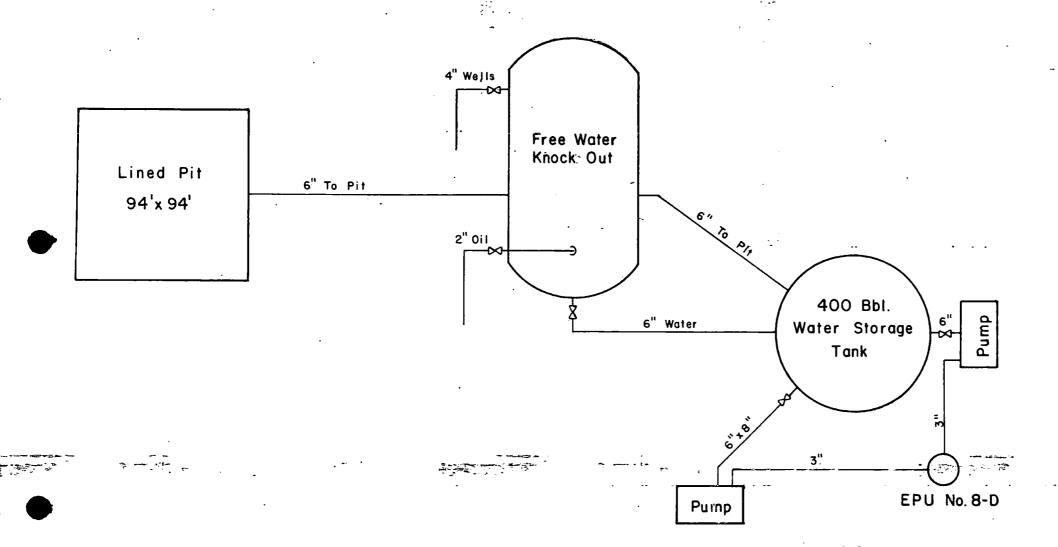
The produced fluids are mixed in the flowlines and the resulting final TDS is approximately 130,000 TDS.

The SWD Station No. 4 operates an average of 24 hours per day.









East Poplar Unit
SWD STATION NO.4
EPU WELL NO.8-D

NOTE: NOT TO SCALE

EPU 8-D Subsurface Well Design

Approximately 100' of 13 3/8", 48#, H-40, 8rd cemented to surface 737.74' of 2 7/8", 6.5#, J-55 tubing with packer landed at 732.54 perforations 825'-875' \$30-880 workered history 960.47' of 9 5/8", 36#, H-40, 8 rd cemented to surface Block squeezed at 700' and 990' cemented to surface Cast iron bridge plug set at 1000' 5765.65' of 5½", 15.5#, J-55 cemented with 250 sacks cement

Note: Design is not to scale

well Schumatto

(SUBMIT IN QUADRUPLICATE)

TO

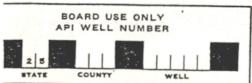


NOTICE
THIS FORM BECOMES A
PERMIT WHEN STAMPED
APPROVED BY AN AGENT
OF THE BOARD.

BOARD OF OIL AND GAS CONSERVATION OF THE STATE OF MONTANA

BILLINGS OR SHELBY

Notice of Valuation to my	10 P - 103- 9
Notice of Vitability of Vitabi	Report of Water Shut-off
Cubraguent	
Notice of Feb.	Report of Shooting, Acidizing, Cementing OF MONE
Matter of Victoria	Report of Altering Casing CHILLINGS
Notice of Votantian to Charles	Report of Redrilling or Repair
Nation of Total	Report of Abandonment
Notice of Intention to About a William	ary Well History
included in the second of the	of Barrier
(Indicate Above by Check Mark Nature of Report	Disposal Zone X
Following is a inotice of intention to do work on land leased	described as follows:
MONTANA Roosevelt	LEASE East Poplar Unit
(County)	(Field)
Well No. 8-D C NW SE Section 10 T2	RSIE HPM
1980 (YEY) 1980	wnship) (Range) (Meridian)
The well is located 1980 ft. from \ XXX \ S \ line and 1980	ft. from E line of Sec
LOCATE WELL SITE ACCURATELY ON PLAT ON BACK OF THIS FOR	PM (
The elevation of the ground or K.B. above the sea level is 2094* READ CAREFULLY DETAILS OF PLAN OF WG (State names of and expected depths to objective sands; show size, weights, and important proposed work, particularly all details of Shooting, Acidizing, Fracturing.	ORK READ CAREFULLY
important proposed work, particularly all details of Shooting, Acidizing, Fracturing. DETAILS OF WORK RESULT	r.)
Set cast iron bridge plug at 1000'. Perforate the	surface casing with 350 sacks
Set cement retainer at 960'. Squeezed up around regular cement. Went in hole with bit and hit cemes 52'. Parforated 700' to 701'. Squeeze thru percement with 2% calcuim chloride. Clean hole out to Log. Perforate from 830' to 880', 4 holes per for	forstion with 100 sacks regular
regular cament. Went in hole with bit and hit can 852'. Parforated 700' to 701'. Squeeze thru partocement with 2% calcuim chloride. Clean hole out to	forstion with 100 sacks regular
regular cament. Went in hole with bit and hit can 852'. Parforated 700' to 701'. Squeaxe thru per cament with 2% calculm chloride. Clean hole out 1 Log. Perforate from 830' to 880', 4 holes per for injection Pressure 630 PSI. Approved subject to conditions on reverse of form Company JUL 26 1978	foration with 100 sacks regular to 954'. Run Gamma Ray Neutron ot, 200 holes total. Murphy Cil Corporation
regular cament. Went in hole with bit and hit can 852'. Parforated 700' to 701'. Squeaze thru per cement with 2% calcular chloride. Clean hole out 1 Log. Perforate from 830' to 880', 4 holes per for injection Pressure 630 PSI. Approved subject to conditions on reverse of form Company Date	foration with 100 sacks regular to 954'. Run Gamma Ray Neutron ot, 200 holes total. Murphy Cil Corporation
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regular cament. Went in hole with bit and hit can 852'. Parforated 700' to 701'. Squeaze thru per cement with 2% calculm chloride. Clean hole out to Log. Perforate from 830' to 880', 4 holes per for injection Pressure 630 PSI. Approved subject to conditions on reverse of form Company Date. ORIGINAL SIGNED ST. By	foration with 100 sacks regular to 954'. Run Gamma Ray Neutron ot, 200 holes total. Murphy Cil Corporation



NOTE:-Reports on this form to be submitted to the appropriate District for approval

	630 1/21/18	JUL 24	1978
		CASPER, W	W 1
8. I hereby certify that the foregoing is true and correct ORIGINAL SIGNED BILLY ON SIETE	TITLE District Superincendent	DATE July	21, 1978
(This space for Federal or State office me) APPROVED BY LOUIS F. C.	THE OTHER DISTRICT ENGINEER	DATE AUG	2 1978
*0-	a Instructions on Payores Side		

293.1483



200 PEACH STREET EL DORADO, ARKANSAS 71730

(501) 862-6411 - Main Number Ext. 254 - Auto 3M 9165

Ext. 596 - confirm Ext. 270 - Mailroom

TELECOPY COVER PAGE

DATE: April 22, 1985	TO: EPA Region 8
TIMB:	(COMPANY) Denver, CO
	(City, State)
FROM: Sidney W. Campbell	ATTN: Michael Liuzzi
TELECOPY NUMBER: 910-931-2215	VERIFICATION: NUMBER:
PAGES 3 (Includes Cover Page)	OPERATORS Name: LL5 CC
VERIFIED:	, , , , , , , , , , , , , , , , , , , ,
(Date, Time & Initials)	

SPUR (I)

Form No. 2 GENERAL RULES 201, 202, 213, 216, 219, 233.1

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OIL AND GAS CONSERVATION COMMISSION OF THE STATE OF MONTANA

BILLINGS OR SHELBY

NOTICEL THIS FORM BECOMES A PERMIT WHEN STAMPED APPROVED BY AN AGENT OF THE COMMISSION.

> Bulling ediade to

SUNDRY NOTICES AND REPORT OF WELLS

					1			
	Notice of Intention to Drill		Subsequent Report of Wat	er Shut-off				
	Notice of Intention to Change Plans Notice of Intention to Test Water Shut-off		Busingsons are port of amounting, recommend, comments					
			Subsequent Report of Alte	ring Casing	the section of the co			
- 1	Notice of Intention to Redrill or Repair	Well	Subsequent Report of Red	Subsequent Report of Redrilling or Repair				
	Notice of Intention to Shoot, Acidise, e	r Cement	Subsequent Report of Aba	ndonment				
	Notice of Intention to Pull or Alter Cas	dag	Supplementary Well Histo	7 /	X			
441	Notice of Intention to Abandon Well		Report of Fracturing					
	. 1				745 T W 14690			
follow	ing is a {report of work done		LEASE	.P.N. Klies #				
	MONTANA(State)		(County)		Teld)			
		\			,			
Well N	0	ection 29	The second secon	RADES)	M.P.M.			
	evation of the derrick floor abov			The desired				
EAD	CAREFULLY	DETAILS	OF PLAN OF WORK	_				
			OF FEMALOF WORK	R	EAD CAREFULLY			
(Sta	te names of and expected depths to ob	ective sands; show	size, weights, and lengths of propo	sed casings; indicate my				
(Sta	and all other important proposed work	ective sands; show particularly all de-	size, weights, and lengths of propo- talls results Shooting, Acidizing, F	sed casings; indicate my	adding jobs, cementing			
oints,	and all other important proposed work. ANDITICATE AND ANDIES AND ANDIES. ANDITICATE AND ANDIES. ANDIES. ADDIES. ADDIES. ADDIES. ANDIES. ADDIES. ADDIES. A	ective sands; show, particularly all described in most sales sales and sales are sales as a sales are sales are sales as a sales are sales a	size, weights, and lengths of propo- tails results Shooting, Acidizing, I AILS OF WORK RESULT 5 jts. (158.88°) of 1 1.25° below EXR and of 200 sacks of regular	sed casings; indicate muracturing.)	adding jobs, cementing			

TELECOPY



200 PEACH STREET EL DORADO, ARKANSAS 71730

April 22, 1985

Mr. Mike Liuzzi EPA Region 8 1860 Lincoln Street Denver, Colorado 80295-0699

EPU Permits

Dear Mr. Liuzzi:

Attached is a copy of the completion report for the EPU No. 78 well. The well has 9 5/8" Casing cemented to the surface and set at 986.95". This will protect the Judith River and formations above.

The Tracer Survey which was run on 3-8-85 by Gearhart for the EPU No. 4-D Station is for Well No. 8-D. Sometimes the two numbers are used interchangably by mistake.

Gearhart has been asked to furnish a written explanation of the tracer surveys. They indicate the explanations will be completed April 24, 1985. I will forward them to you at that time.

Yours very truly,

Sidney W. Campbell

Senior Petroleum Engineer

SWC/ac Attachment



EAST POPLAR UNIT NO. 8-D

Lease and Well No.:	East Poplar	Unit No.	8-1)		CHANGE CONTRACTOR CONTRACTOR	
Field: East Poplar Unit	County:	Roosevel	£	State: M	ontana	
Well Location: C NW S						-
STATUS PRIOR TO PRESENT JOB:		05.70	or Workove	r December	10, 1965 <u>-</u>	P.A.
Date Completed: September 36/5 T.D.: 5786' Perform	and the same of th			A PROPERTY OF THE PARTY OF THE	的时间,他们就是一个时间,这个时间,这个时间。 第一个时间,我们就是一个时间,这个时间,这个时间,这个时间,这个时间,就是一个时间,他们就是一个时间,他们就是一个时间,他们就是一个时间,他们就是一个时间,他们	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Set from 5650' to 5200' BW C-3 196,324 BO 171	Cumulative	Productionst Test:	n: B-1 & September	9, 1965	Pumping at	<u>20</u> 5
the rate of 103 BFFD 95% W	.C. 5 BOPD	98 BWPD.	The C-Zon	e is shut	in with D.R	9
Plug - Watered Out.		C = 57				

JUSTIFICATION FOR WORKOVER:

Poplar Unit No. 8 was P & A as being unaconomical December 10, 1965. East Poplar Unit No. 8 is to be converted into a Dakota Sand disposal well to take care of water from EPU "D", "H", "K", and "R" batteries. Production from these 4 batteries could possibly be increased, by selective workovers, 80-100 BOPD if salt water disposal facilities were available. At the present time salt water facilities are working to capacity.

SUMMARY OF WORKOVEE:

10-17-72 First Report- 3200' PBTD Present Status - Prepairing to pull tubing, set bridge plug on Wireline, log and perforate for equeeze.

M I P W Rigged up and picked up 2-7/8" tubing. Ram 4-3/4" bit and 5-1/2" casing scraper. Tagged cement at 3193'. Rigged up mover swivel and pump. Drld. cmt. and B.P. (4 hrs. and 10 mins.). Ram bit and scraper to 3818'. Shut down due to darkness.

Conspl. Report 1952/42